

two horns that grow before it, in the place where one would have thought the eyes should be; each of these CC hath four joynts, which are fringed, as 'twere, with small bristles, from which to the tip of its snout D, the head seems very round and tapering, ending in a very sharp nose D, which seems to have a small hole, and to be the passage through which he sucks the blood. Now whereas if it be plac'd on its back, with its belly upwards, as it is in the 35. *Scheme*, it seems in several Positions to have a resemblance of chaps, or jaws, as is represented in the Figure by EE, yet in other postures those dark strokes disappear; and having kept several of them in a box for two or three dayes, so that for all that time they had nothing to feed on, I found, upon letting one creep on my hand, that it immediately fell to sucking, and did neither seem to thrust its nose very deep into the skin, nor to open any kind of mouth, but I could plainly perceive a small current of blood, which came directly from its snout, and past into its belly; and about A there seem'd a contrivance, somewhat resembling a Pump, pair of Bellows, or Heart, for by a very swift *systole* and *diastole* the blood seem'd drawn from the nose, and forced into the body. It did not seem at all, though I viewed it a good while as it was sucking, to thrust more of its nose into the skin then the very snout D, nor did it cause the least discernable pain, and yet the blood seem'd to run through its head very quick and freely, so that it seems there is no part of the skin but the blood is dispers'd into, nay, even into the *cuticula*; for had it thrust its whole nose in from D to CC, it would not have amounted to the supposed thickness of that *tegument*, the length of the nose being not more then a three hundredth part of an inch. It has six legs, covered with a very transparent shell, and joynted exactly like a Crab's, or Lobster's; each leg is divided into six parts by these joynts, and those have here and there several small hairs; and at the end of each leg it has two claws, very properly adapted for its peculiar use, being thereby inabled to walk very securely both on the skin and hair; and indeed this contrivance of the feet is very curious, and could not be made more commodiously and compendiously, for performing both these requisite motions, of walking and climbing up the hair of a mans head, then it is: for, by having the lesser claw (a) set so much short of the bigger (b), when it walks on the skin the shorter touches not, and then the feet are the same with those of a Mite, and several other small Insects, but by means of the small joynts of the longer claw it can bend it round, and so with both claws take hold of a hair, in the manner represented in the Figure; the long transparent Cylinder FFF, being a Man's hair held by it.

The *Thorax* seem'd cas'd with another kind of substance then the belly, namely, with a thin transparent horny substance, which upon the fasting of the Creature did not grow flaccid; through this I could plainly see the blood, suck'd from my hand, to be variously distributed, and mov'd to and fro; and about G there seem'd a pretty big white substance, which seem'd to be moved within its *thorax*; besides, there appear'd very many small milk-white vessels, which crost over the breast

between

between the legs, out of which, on either side, were chings, these seem'd to be the veins and arteries, for that to blood in all Insects is milk-white.

The belly is covered with a transparent substance like resembling a skin then a shell, for 'tis grain'd all over the skin in the palms of a man's hand, and when the belly is very flaccid and wrinkled; at the upper end of this mach HH, and perhaps also the white spot II may be the which, by the *peristaltick* motion of the guts, is a little not with a *systole* and *diastole*, but rather with a thro motion. Viewing one of these Creatures, after it had all the hinder part was lank and flaccid, and the white mov'd, most of the white branchings disappear'd, and redness or sucked blood in the guts, the *peristaltick* was scarce discernable; but upon the suffering it to fill'd the skin of the belly, and of the six scolop'd emboside, as full as it could be stuf; the stomach and guts they could hold; the *peristaltick* motion of the gut gr justling motion of II accordingly; multitudes of seem'd quickly filled, and turgid, which were perhaps teries, and the Creature was so greedy, that though it more, yet it continued sucking as fast as ever, and as fast behind: the digestion of this Creature must needs be though I perceiv'd the blood, thicker and blacker when in the guts, it was of a very lovely ruby colour, it, which was digested into the veins, seem'd white; what a further digestion of blood may make it milk, at bling colour: What is else observable in the figure of the be seen by the 35. *Scheme*.

Observ. LV. Of Mites.

THE least of *Reptiles* I have hitherto met with, is a M whereof there are some so very small, that the assisted with Glasses, is not able to discern them, though themselves, they move on a black and smooth surface out of which these Creatures seem to be hatch'd, are y being usually not above a four or five hundredth part Mite, and those well grown Mites not much above of an inch in thickness; so that according to this reckon no less then a million of well grown Mites contain'd in a five hundred times as many Eggs.

Notwithstanding which minuteness a good *Microscop* small movable specks to be very prettily shap'd Insects, e